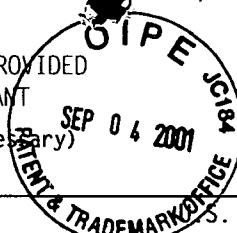


FORM PTO-1449 (Modified)

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ALLEN and Henning

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11/14/97GROUP ART UNIT
3673

REFERENCE DESIGNATION

S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

TL	AR	OTC 4594, An Assessment of Vortex Suppression Devices for Production Risers and Towed Deep Ocean Pipe Strings, by A. C. Rogers, Southwest Research Inst., pps. 119-122, Table 1, and Figures 1-6. 1983.
TL	AS	Some Recent Studies of Vortex Shedding with Application to Marine Tubulars and Risers, by O. M. Griffin and S. E. Ramberg, Marine Technology Division, pps. 33-43. 1982
TL	AT	OTC 1948, Vortex Excited Structural Oscillations of a Circular Cylinder in Steady Currents, by Roger King, BHRA Fluid Engineering, PP. 143-149, Table 1-2, Figures 1-9. 1974.

EXAMINER

J. Lee

DATE CONSIDERED

9/25/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
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